

State Injury Profile for Virginia

About the State Injury Profiles...

Following this introduction you will find the injury profile for your state and the nation. The maps and tables contain information on injury deaths and death rates; however, it is important to remember that hundreds of thousands of Americans are nonfatally injured each year, many of whom suffer permanent disabilities. Your state injury profile includes:

- The 10 leading causes of death by age group for your state and the nation. These charts contain the total number of deaths for the three-year period 1995 through 1997. The summary table at the bottom of each page shows the total number of injuries across all ages for the same three-year period and the average number of deaths per year.
- The tables on the next page show the number of deaths for your state and the nation for the leading causes of injury death (separated by the type of injury—unintentional, suicide, and homicide) for the same three-year period.
- The next pages contain U.S. maps indicating the death rate per 100,000 persons for all states over a three-year period (1995-1997) for the leading causes of injury death. Beneath each map is a graph showing the death rate over a 10-year period (1988-1997). These maps and graphs will allow you to compare death rates for your state to other states and understand the 10-year trend in your state compared to the U.S. trend.
- The last two maps in the Profile give death-rate data and 10-year trends for two of the most frequent and disabling types of injury-related deaths: traumatic brain injury-related deaths, which can be caused by falls, firearms, motor-vehicle crashes, or other causes; and firearm-related deaths, unintentional or the result of homicide or suicide.

This State Injury Profile 2000 is presented as an appendix to the Centers for Disease Control and Prevention (CDC) Injury Fact Book, *Working to Prevent and Control Injury in the United States*. The Fact Book contains information regarding the cost of injury and the value of prevention, the work of CDC's National Center for Injury Prevention and Control, and the Safe USA Partnership Council. The Fact Book also contains fact sheets for many of the leading causes of injury death. Additional information can also be obtained from—

- The CDC National Center for Injury Prevention and Control web site: <http://www.cdc.gov/ncipc/>
- The CDC National Center for Injury Prevention and Control, Office of Planning, Evaluation, and Legislation: 770-488-4936
- Safe USA web site: <http://www.cdc.gov/safe/>
- Safe USA toll-free number: 1-888-252-7751

United States

10 Leading Causes of Deaths by Age Group: 1995-1997

Rank	Age Groups										Total
	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	
1	Congenital Anomalies 19,113	Unintentional Injuries 6,432	Unintentional Injuries 4,734	Unintentional Injuries 5,614	Unintentional Injuries 41,018	Unintentional Injuries 38,858	Malignant Neoplasms 51,258	Malignant Neoplasms 134,242	Malignant Neoplasms 261,040	Heart Disease 1,834,538	Heart Disease 2,197,898
2	Short Gestation 11,760	Congenital Anomalies 1,922	Malignant Neoplasms 1,593	Malignant Neoplasms 1,491	Homicide 19,978	HIV 23,935	Unintentional Injuries 43,023	Heart Disease 104,809	Heart Disease 201,533	Malignant Neoplasms 1,147,043	Malignant Neoplasms 1,617,565
3	SIDS 9,438	Malignant Neoplasms 1,350	Congenital Anomalies 706	Homicide 1,023	Suicide 13,328	Suicide 17,825	Heart Disease 40,047	Unintentional Injuries 29,523	Bronchitis Emphysema Asthma 30,143	Cerebro-vascular 419,616	Cerebro-vascular 477,724
4	Respiratory Distress Synd. 4,117	Homicide 1,247	Homicide 510	Suicide 931	Malignant Neoplasms 4,919	Homicide 16,665	HIV 39,570	HIV 17,951	Cerebro-vascular 29,087	Bronchitis Emphysema Asthma 274,359	Bronchitis Emphysema Asthma 317,955
5	Maternal Complications 3,802	Heart Disease 680	Heart Disease 387	Congenital Anomalies 647	Heart Disease 3,106	Malignant Neoplasms 14,327	Suicide 19,938	Cerebro-vascular 16,960	Diabetes 24,987	Pneumonia & Influenza 226,837	Unintentional Injuries 283,912
6	Placenta Cord Membranes 2,871	Pneumonia & Influenza 504	HIV 288	Heart Disease 554	HIV 1,318	Heart Disease 10,097	Homicide 11,689	Liver Disease 16,300	Unintentional Injuries 20,719	Diabetes 138,117	Pneumonia & Influenza 253,099
7	Unintentional Injuries 2,356	HIV 411	Pneumonia & Influenza 221	Bronchitis Emphysema Asthma 294	Congenital Anomalies 1,254	Cerebro-vascular 2,118	Liver Disease 10,853	Suicide 14,317	Liver Disease 15,921	Unintentional Injuries 91,315	Diabetes 183,657
8	Perinatal Infections 2,321	Septicemia 236	Bronchitis Emphysema Asthma 143	Pneumonia & Influenza 184	Bronchitis Emphysema Asthma 684	Diabetes 1,881	Cerebro-vascular 8,281	Diabetes 12,589	Pneumonia & Influenza 10,830	Alzheimer's Disease 63,461	Suicide 92,722
9	Pneumonia & Influenza 1,409	Perinatal Period 222	Benign Neoplasms 132	HIV 180	Pneumonia & Influenza 630	Pneumonia & Influenza 1,724	Diabetes 5,581	Bronchitis Emphysema Asthma 8,395	Suicide 8,675	Nephritis 62,838	HIV 90,761
10	Intrauterine Hypoxia 1,355	Benign Neoplasms 189	Anemias 98	Cerebro-vascular 135	Cerebro-vascular 527	Liver Disease 1,690	Pneumonia & Influenza 4,335	Pneumonia & Influenza 6,405	Septicemia 5,350	Septicemia 52,315	Liver Disease 75,444

United States Total Number of Injury Deaths

Cause	Deaths	Percent
Unintentional Injury	283,912	64.5%
Intentional	156,434	35.5%
Total (1995-1997)	440,346	100.0%

Average Number of Injury Deaths per Year
In the United States = **146,782**

Virginia

10 Leading Causes of Deaths by Age Group: 1995-1997

Rank	Age Groups										Total
	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	
1	Congenital Anomalies 430	Unintentional Injuries 121	Unintentional Injuries 87	Unintentional Injuries 117	Unintentional Injuries 908	Unintentional Injuries 877	Malignant Neoplasms 1,340	Malignant Neoplasms 3,574	Malignant Neoplasms 6,561	Heart Disease 38,194	Heart Disease 47,602
2	Short Gestation 409	Congenital Anomalies 47	Malignant Neoplasms 29	Malignant Neoplasms 32	Homicide 490	HIV 489	Heart Disease 1,043	Heart Disease 2,773	Heart Disease 5,128	Malignant Neoplasms 26,163	Malignant Neoplasms 38,238
3	SIDS 215	Malignant Neoplasms 38	Congenital Anomalies 17	Suicide 23	Suicide 368	Suicide 439	Unintentional Injuries 985	Unintentional Injuries 735	Cerebro-vascular 818	Cerebro-vascular 10,119	Cerebro-vascular 11,700
4	Maternal Complications 116	Homicide 18	Heart Disease 8	Heart Disease 19	Malignant Neoplasms 119	Homicide 413	HIV 783	Cerebro-vascular 431	Bronchitis Emphysema Asthma 678	Bronchitis Emphysema Asthma 5,928	Bronchitis Emphysema Asthma 6,929
5	Perinatal Infections 74	Heart Disease 17	Homicide 8	Homicide 17	Heart Disease 78	Malignant Neoplasms 371	Suicide 473	Suicide 395	Diabetes 563	Pneumonia & Influenza 5,239	Unintentional Injuries 6,756
6	Placenta Cord Membranes 68	Pneumonia & Influenza 10	Benign Neoplasms 7	Congenital Anomalies 13	HIV 34	Heart Disease 277	Homicide 303	Liver Disease 313	Unintentional Injuries 532	Diabetes 2,627	Pneumonia & Influenza 5,815
7	Respiratory Distress Synd. 62	Cerebro-vascular 8	Bronchitis Emphysema Asthma 4	Bronchitis Emphysema Asthma 6	Bronchitis Emphysema Asthma 17	Cerebro-vascular 63	Cerebro-vascular 223	HIV 310	Liver Disease 349	Unintentional Injuries 2,339	Diabetes 3,670
8	Unintentional Injuries 48	HIV 8	HIV 4	Anemias 5	Congenital Anomalies 17	Diabetes 50	Liver Disease 176	Diabetes 278	Pneumonia & Influenza 258	Septicemia 1,822	Suicide 2,418
9	Intrauterine Hypoxia 35	Benign Neoplasms 6	Pneumonia & Influenza 4	Benign Neoplasms 5	Cerebro-vascular 14	Pneumonia & Influenza 44	Diabetes 140	Bronchitis Emphysema Asthma 204	Suicide 246	Nephritis 1,713	Septicemia 2,258
10	Septicemia 27	Septicemia 6	Septicemia 3	Pneumonia & Influenza 5	Benign Neoplasms 13	Septicemia 31	Pneumonia & Influenza 86	Homicide 140	Septicemia 196	Alzheimer's Disease 1,539	Nephritis 2,040

Virginia Total Number of Injury Deaths

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Unintentional Injury	6,756	62.9%
Intentional Injury	3,978	37.1%
Total (1995-1997)	10,734	100.0%

Average Number of Injury Deaths per Year
In Virginia = **3,578**

1995-1997 Leading Causes of Death

Unintentional Injury

United States Unintentional Injury

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
MV Traffic	127,193	44.8%
Fall	33,633	11.8%
Poisoning	28,745	10.1%
Suffocation	12,987	4.6%
Drowning	12,360	4.4%
Fire/Burn	11,304	4.0%
Other Causes	57,690	20.3%
	283,912	100.0%

Virginia Only Unintentional Injury

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
MV Traffic	2,710	40.1%
Fall	692	10.2%
Poisoning	612	9.1%
Suffocation	376	5.6%
Drowning	323	4.8%
Other Causes	2,043	30.2%
	6,756	100.0%

Intentional Injury

United States Suicide

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	54,235	58.5%
Suffocation	15,960	17.2%
Poisoning	15,355	16.6%
Other Causes	7,172	7.7%
	92,722	100.0%

Virginia Only Suicide

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	1,609	66.5%
Suffocation	338	14.0%
Poisoning	333	13.8%
Other Causes	138	5.7%
	2,418	100.0%

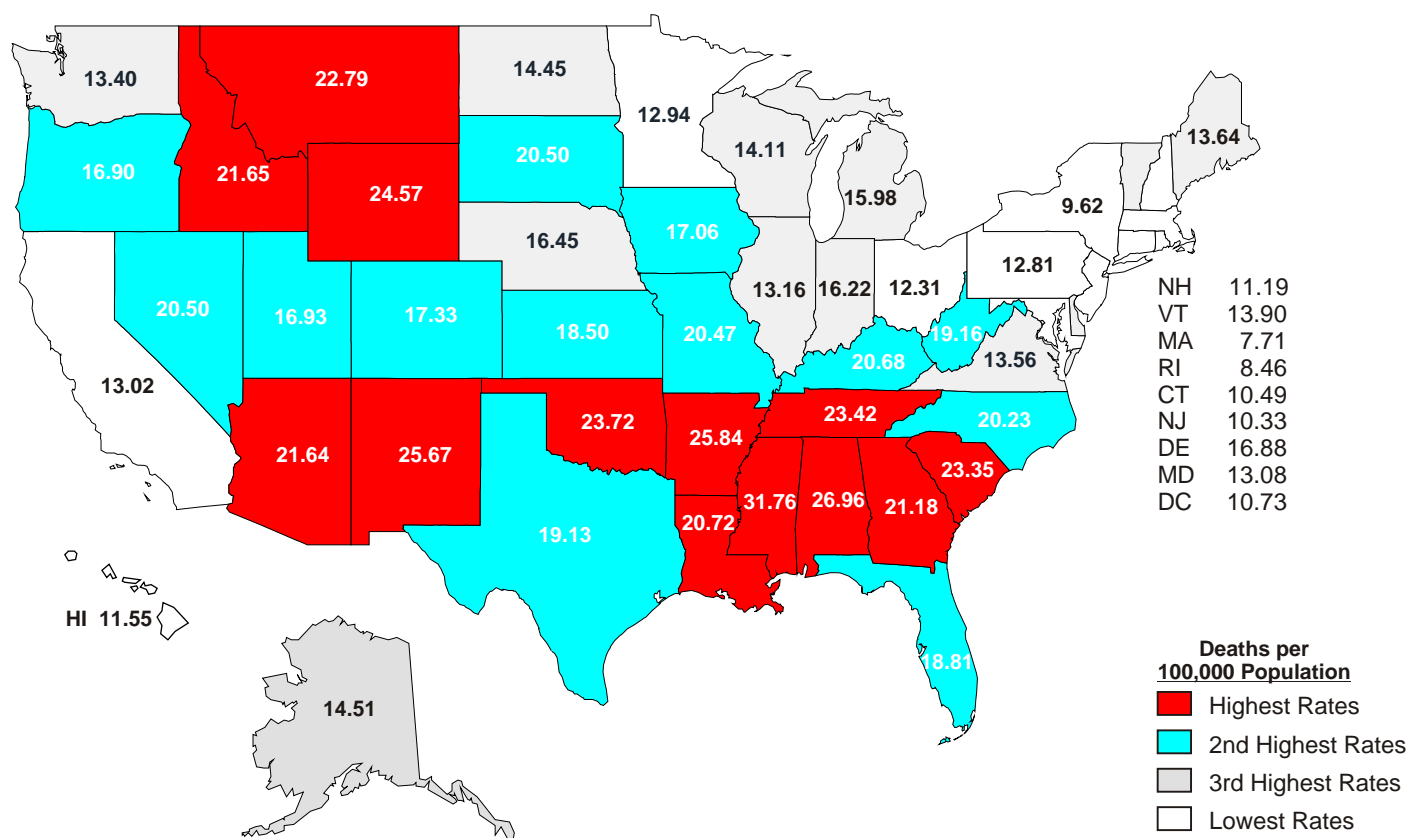
United States Homicide and Legal Intervention

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	43,684	68.6%
Cut/Pierce	7,647	12.0%
Suffocation	2,327	3.7%
Other Causes	10,054	15.8%
	63,712	100.0%

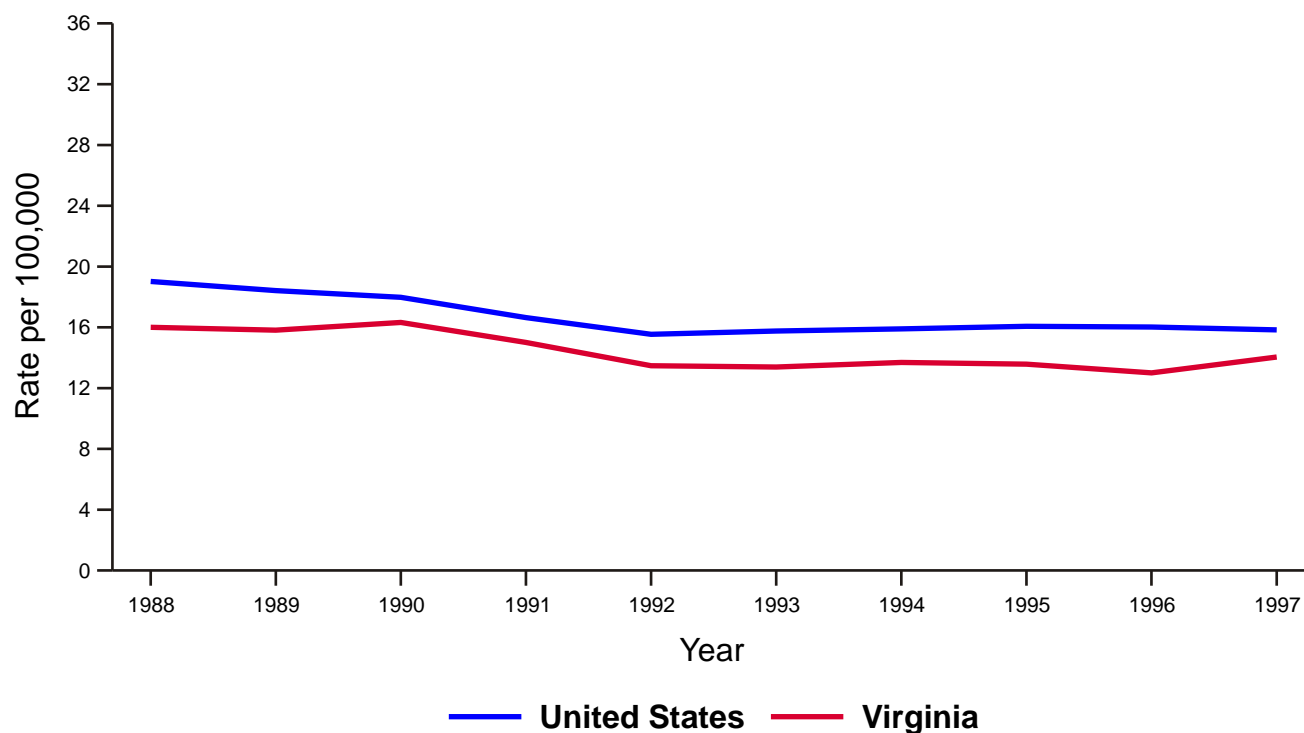
Virginia Only Homicide and Legal Intervention

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	1,109	71.1%
Cut/Pierce	190	12.2%
Suffocation	54	3.5%
Other Causes	207	13.3%
	1,560	100.1%

Unintentional Motor Vehicle, Traffic-Related Death Rates United States, 1995-1997



United States and Virginia 1988-1997



Deaths per 100,000 Population

- Highest Rates
- 2nd Highest Rates
- 3rd Highest Rates
- Lowest Rates

State	Rate
NH	3.99
VT	4.00
MA	2.64
RI	4.39
CT	4.07
NJ	3.04
DE	3.25
MD	4.06
DC	4.82

The graph displays the rate of motor vehicle deaths per 100,000 for the United States and Virginia from 1988 to 1997. The United States rate (blue line) is relatively stable, starting at approximately 4.3 in 1988 and ending at 4.6 in 1997. The Virginia rate (red line) starts higher at approximately 4.8 in 1988, drops to a low of 2.9 in 1992, and then rises to approximately 4.2 in 1997.

Year	United States	Virginia
1988	4.3	4.8
1989	4.2	4.0
1990	4.2	3.4
1991	4.2	4.3
1992	4.1	2.9
1993	4.1	3.7
1994	4.1	3.8
1995	4.2	3.9
1996	4.5	4.2
1997	4.6	4.2

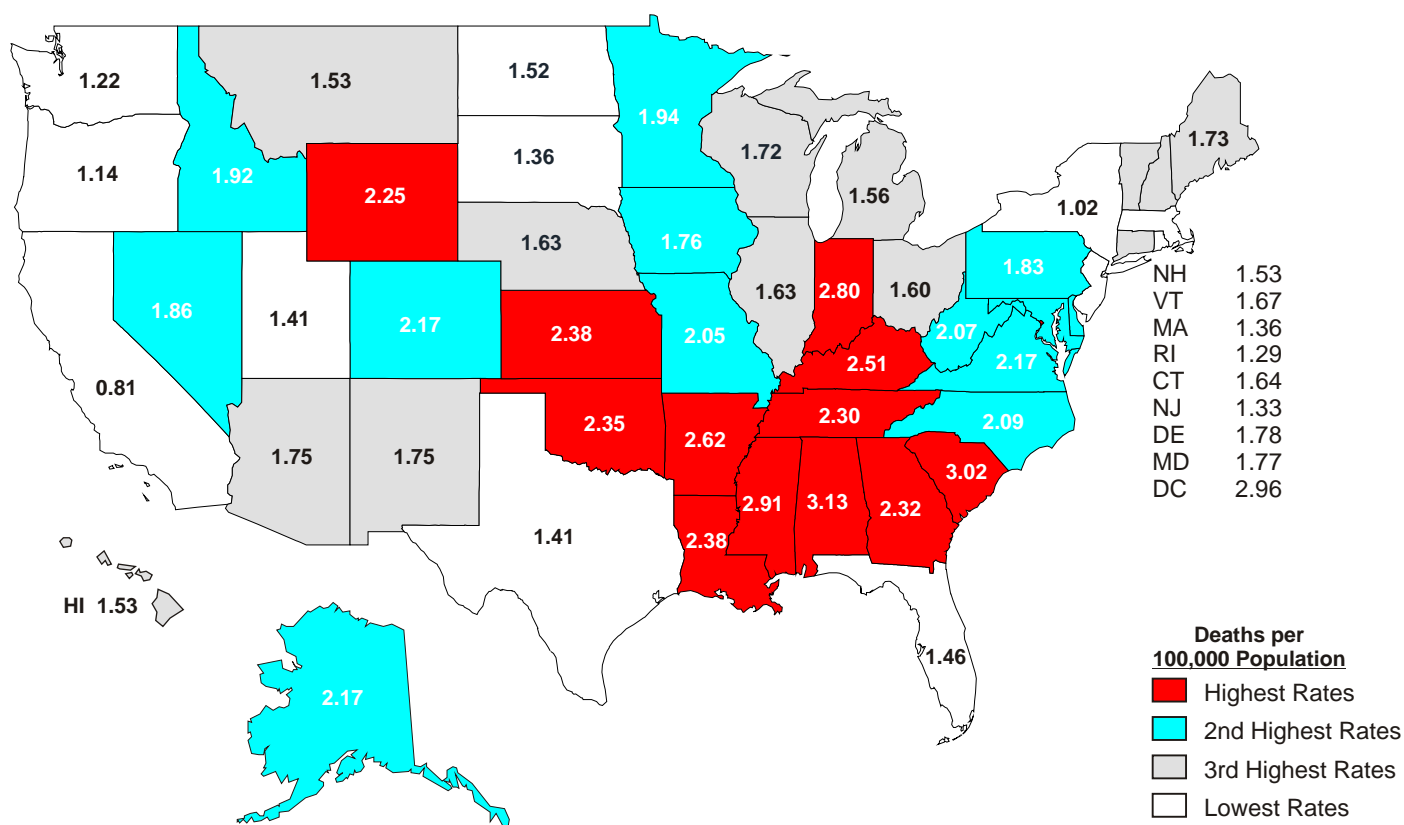
Deaths per 100,000 Population

- Highest
- 2nd Highest
- 3rd Highest
- Lowest

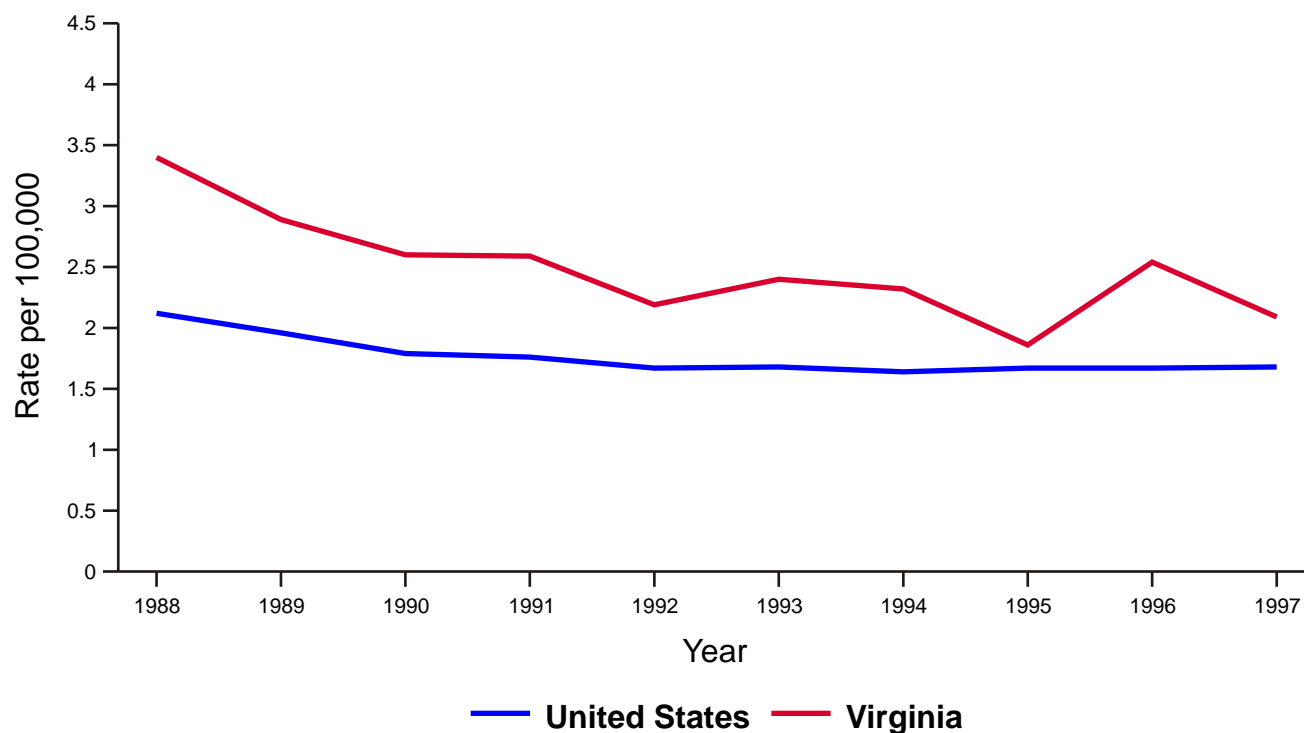
State	Deaths per 100,000 Population
AK	6.47
HI	3.63
CA	5.79
WA	5.22
OR	5.21
MT	2.67
ND	1.30
SD	1.49
NE	1.27
KS	1.57
OK	6.59
NM	10.34
UT	3.78
WY	1.63
CO	2.57
WV	1.83
IN	3.81
MI	1.81
OH	2.45
PA	6.14
NY	5.14
CT	5.69
RI	0.86
MA	0.55
VT	1.60
NH	1.59
DE	5.07
MD	0.81
DC	2.77
VA	2.94
NC	2.70
SC	2.95
GA	2.57
AL	2.19
MS	1.66
LA	2.42
TX	3.35
AR	1.36
MO	1.55
IL	2.69
WI	1.49
MI	1.81
IN	1.47
OH	2.45
PA	1.64
NY	1.66
CT	1.64
RI	1.64
MA	1.64
VT	1.60
NH	1.59
DE	1.59
MD	1.59
DC	1.59
VA	1.59
NC	1.59
SC	1.59
GA	1.59
AL	1.59
MS	1.59
LA	1.59
TX	1.59
AR	1.59
MO	1.59
IL	1.59
WI	1.59
MI	1.59
IN	1.59
OH	1.59
PA	1.59
NY	1.59
CT	1.59
RI	1.59
MA	1.59
VT	1.59
NH	1.59
DE	1.59
MD	1.59
DC	1.59
VA	1.59
NC	1.59
SC	1.59
GA	1.59
AL	1.59
MS	1.59
LA	1.59
TX	1.59
AR	1.59
MO	1.59
IL	1.59
WI	1.59
MI	1.59
IN	1.59
OH	1.59
PA	1.59
NY	1.59
CT	1.59
RI	1.59
MA	1.59
VT	1.59
NH	1.59
DE	1.59
MD	1.59
DC	1.59
VA	1.59
NC	1.59
SC	1.59
GA	1.59
AL	1.59
MS	1.59
LA	1.59
TX	1.59
AR	1.59
MO	1.59
IL	1.59
WI	1.59
MI	1.59
IN	1.59
OH	1.59
PA	1.59
NY	1.59
CT	1.59
RI	1.59
MA	1.59
VT	1.59
NH	1.59
DE	1.59
MD	1.59
DC	1.59
VA	1.59
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GA	1.59
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MS	1.59
LA	1.59
TX	1.59
AR	1.59
MO	1.59
IL	1.59
WI	1.59
MI	1.59
IN	1.59
OH	1.59
PA	1.59
NY	1.59
CT	1.59
RI	1.59
MA	1.59
VT	1.59
NH	1.59
DE	1.59
MD	1.59
DC	1.59
VA	1.59
NC	1.59
SC	1.59
GA	1.59
AL	1.59
MS	1.59
LA	1.59
TX	1

Year	United States	Virginia
1988	2.5	2.5
1989	2.6	2.8
1990	2.3	2.2
1991	2.5	2.3
1992	2.7	2.5
1993	3.3	2.8
1994	3.4	3.2
1995	3.4	3.0
1996	3.5	2.8
1997	3.8	3.1

Unintentional Suffocation Death Rates United States, 1995-1997



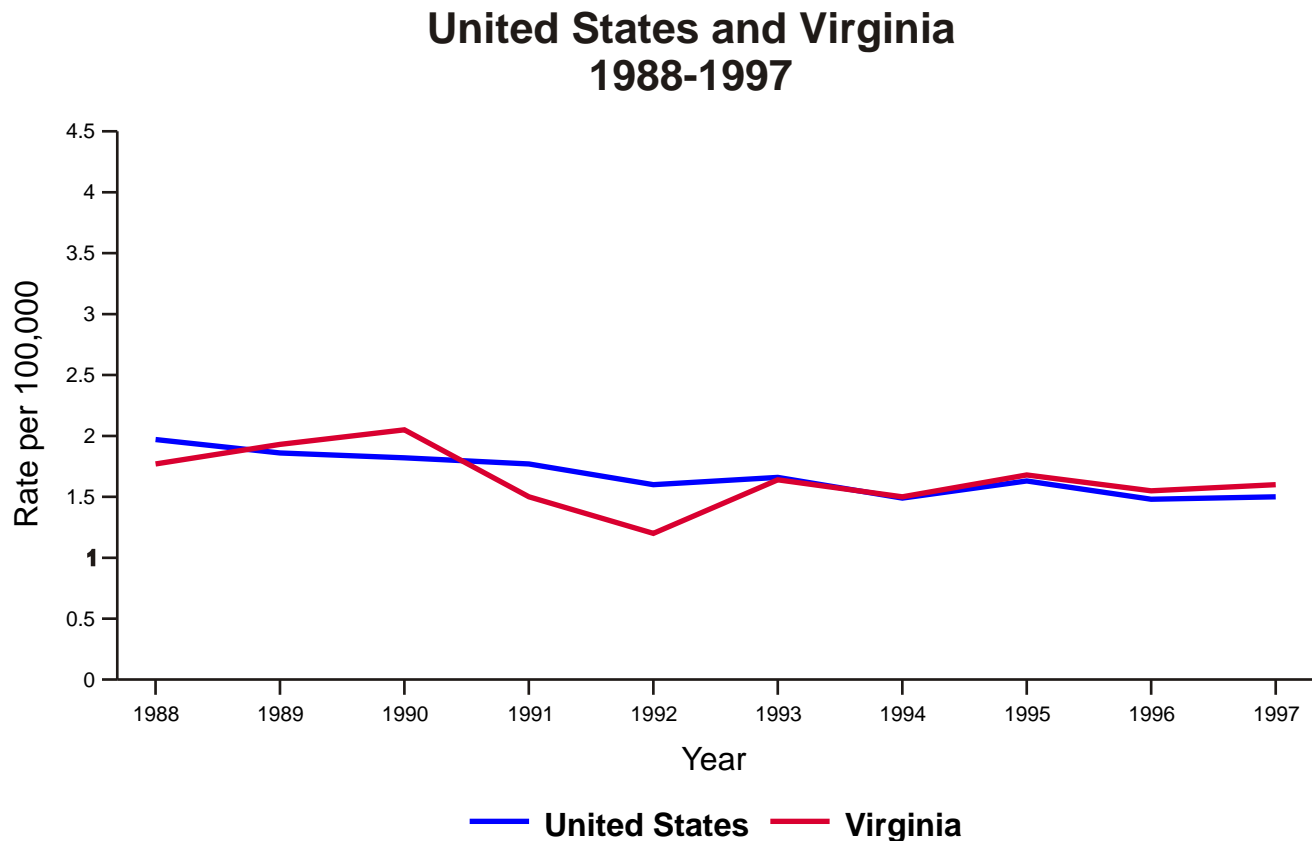
United States and Virginia 1988-1997



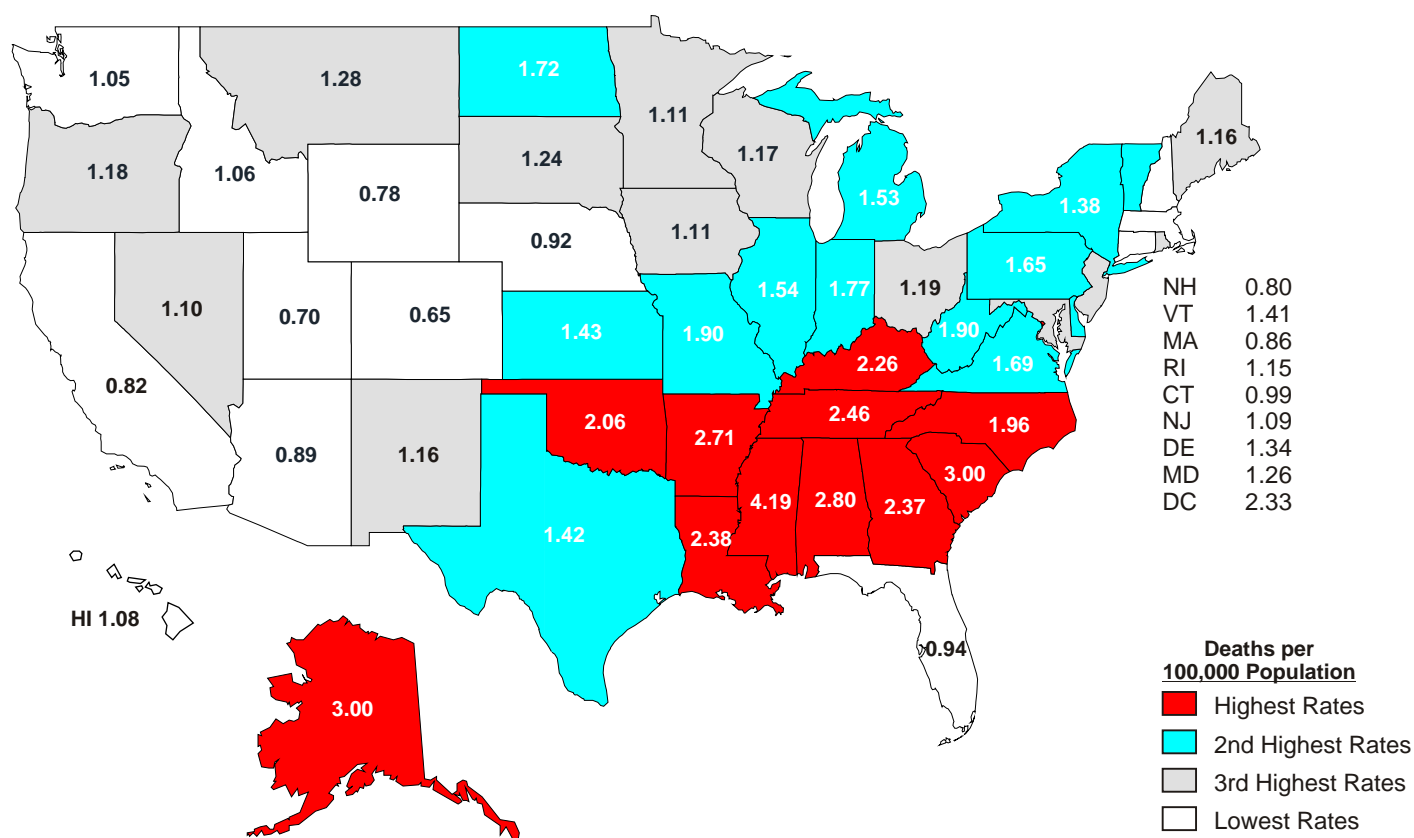
Deaths per 100,000 Popul

- Highest
- 2nd High
- 3rd High
- Lowest

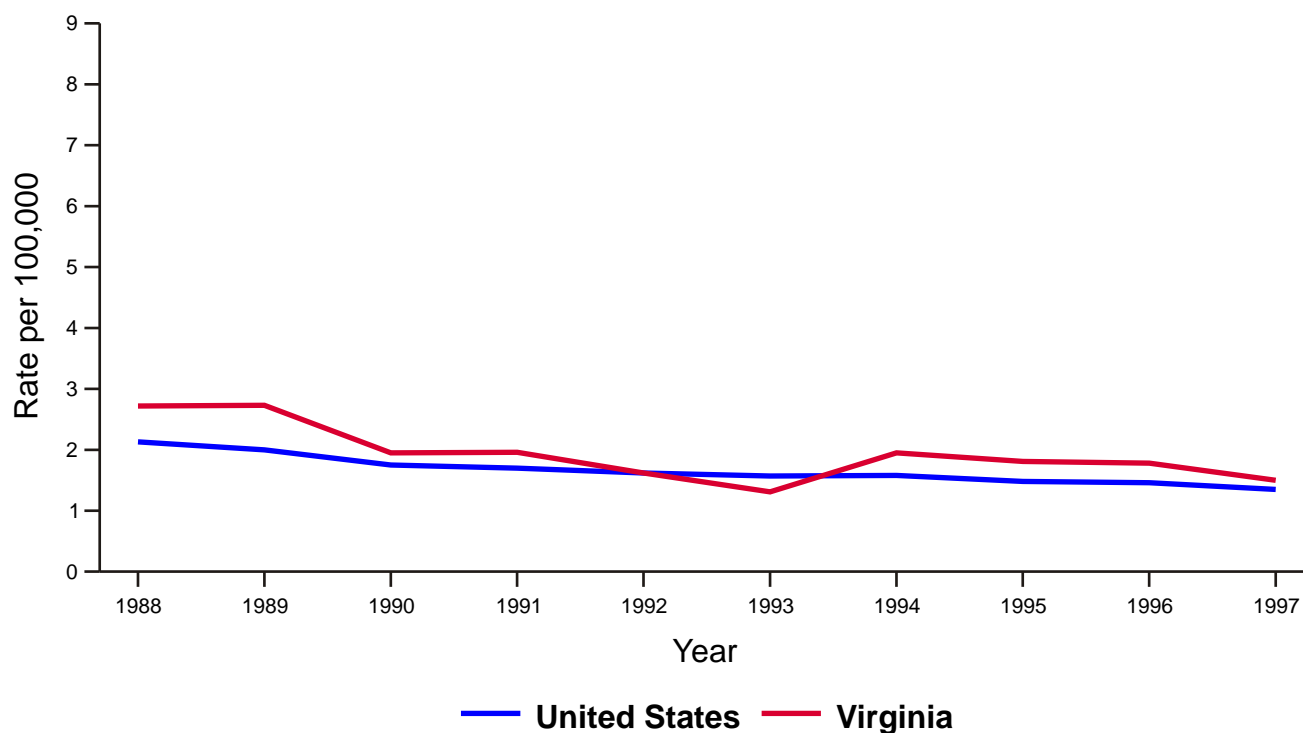
State	Deaths per 100,000 Popul
NH	1.13
VT	1.12
MA	0.90
RI	1.25
CT	1.01
NJ	0.79
DE	1.21
MD	0.96
DC	1.68



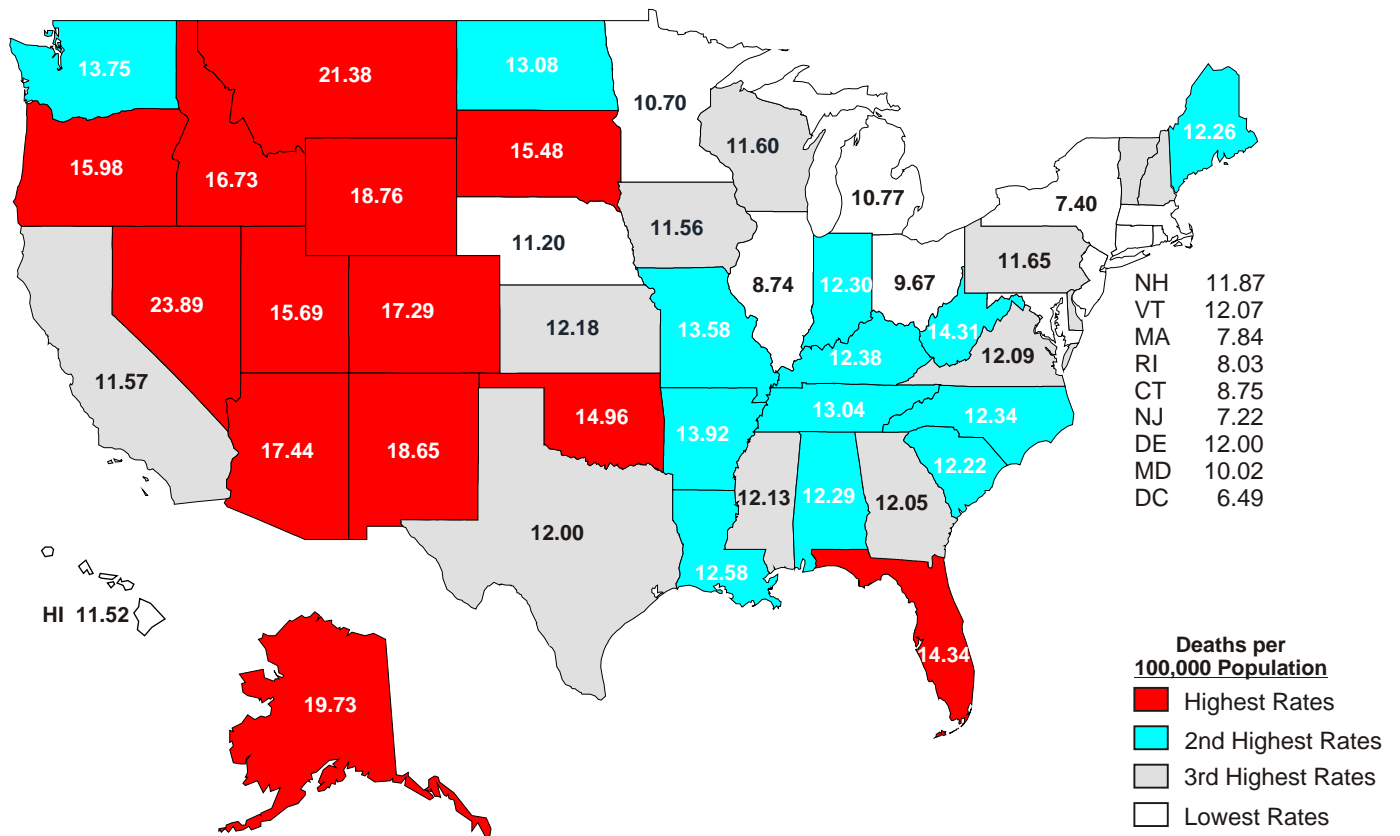
Unintentional Fire and Burn-Related Death Rates United States, 1995-1997



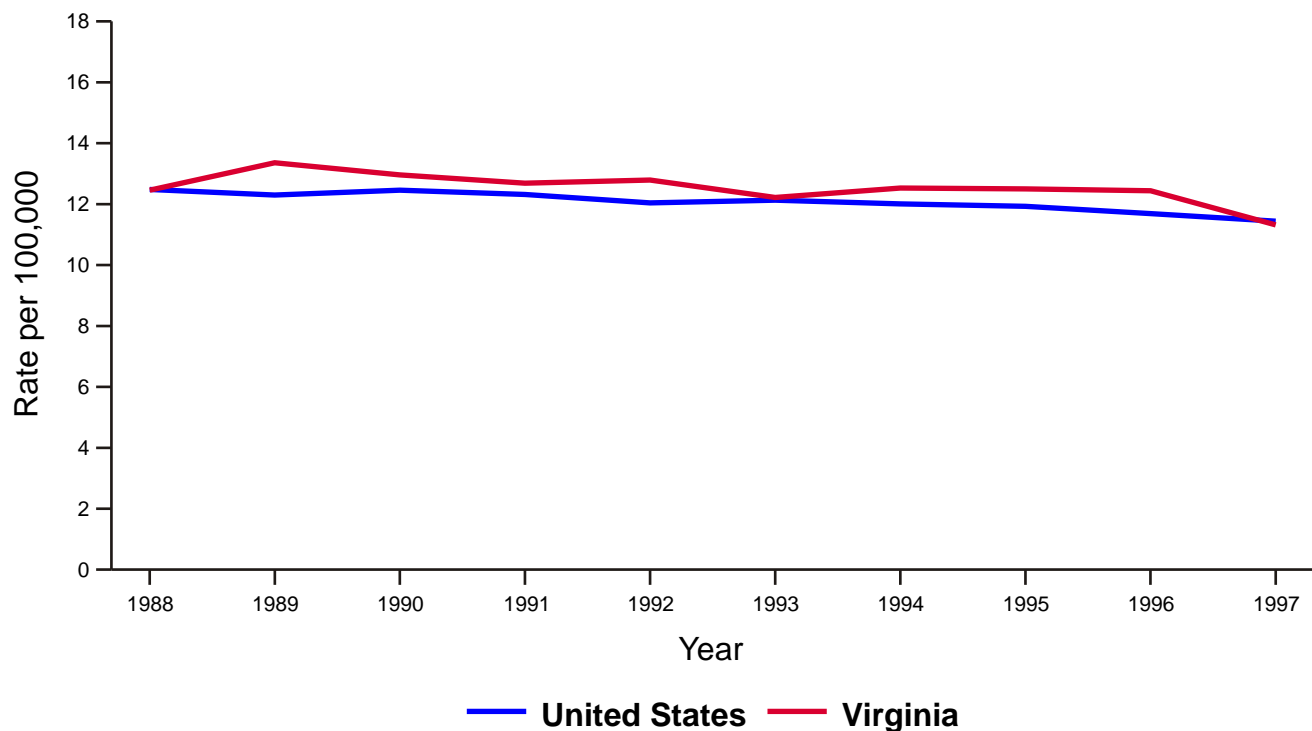
United States and Virginia 1988-1997



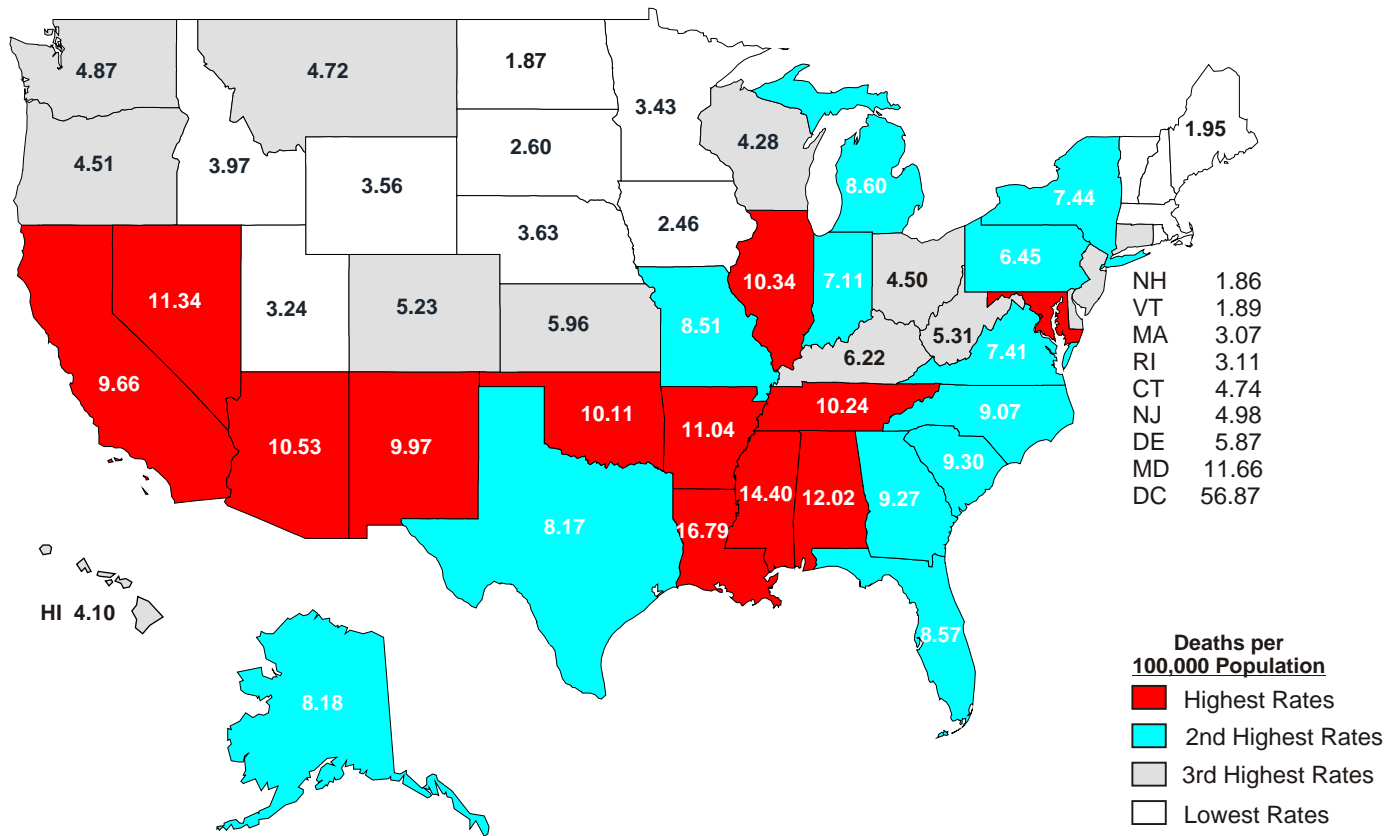
Suicide Death Rates United States, 1995-1997



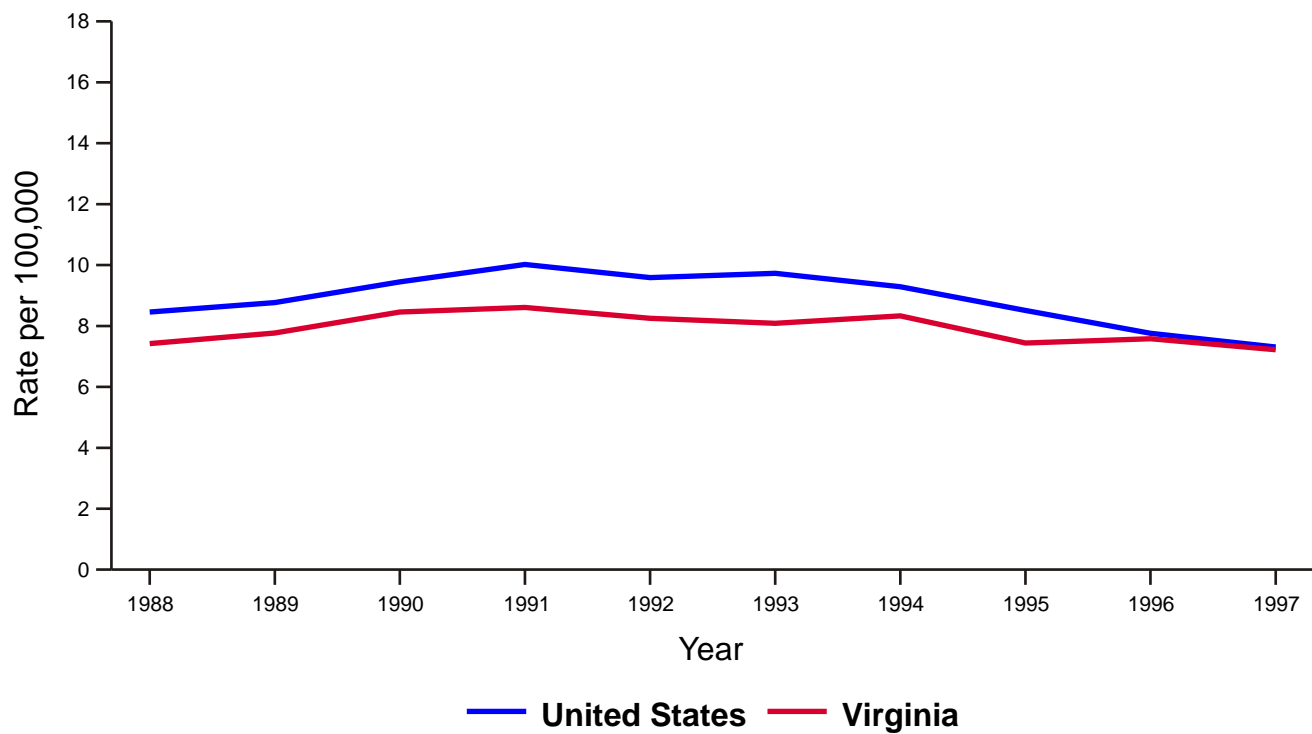
United States and Virginia 1988-1997



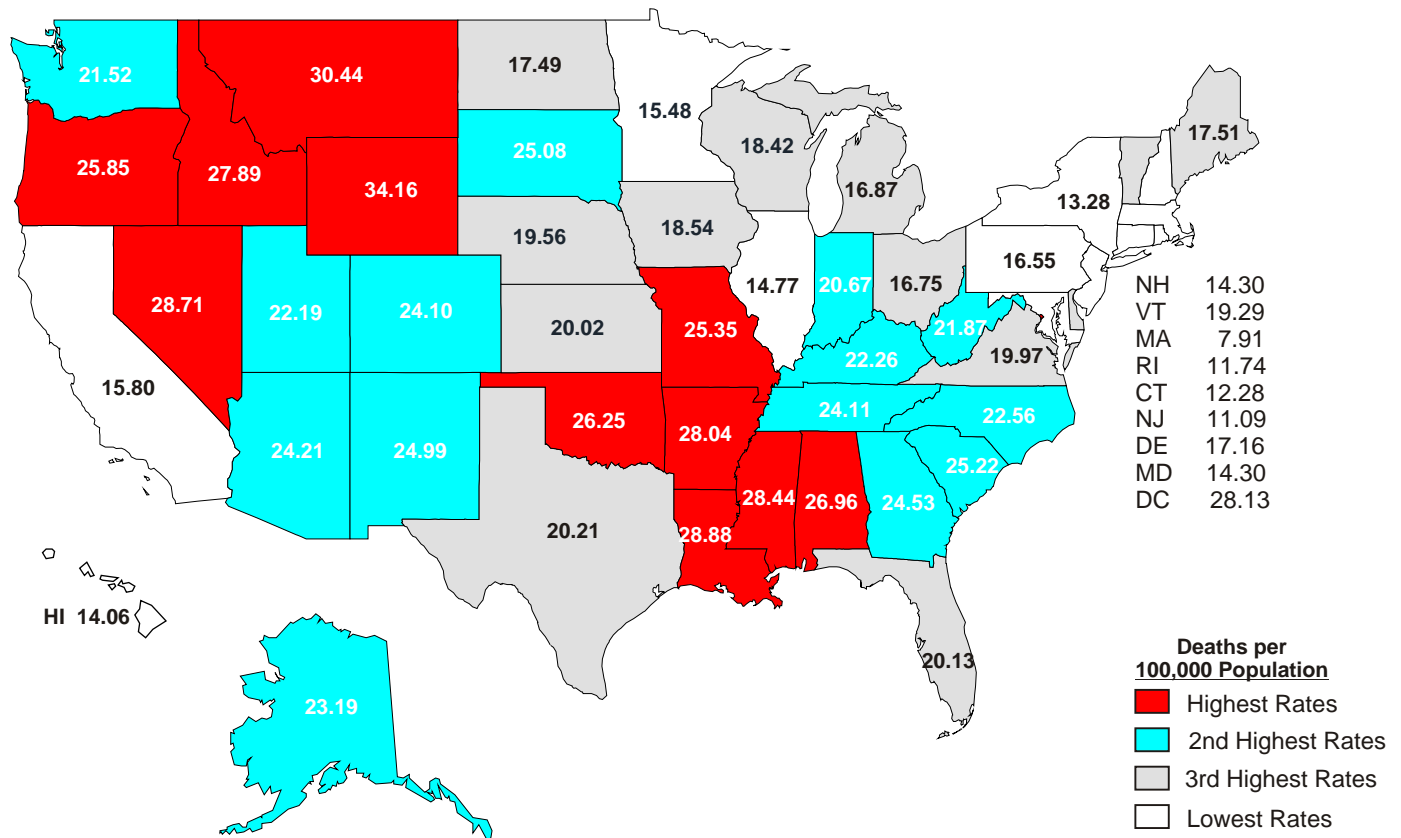
Homicide Death Rates United States, 1995-1997



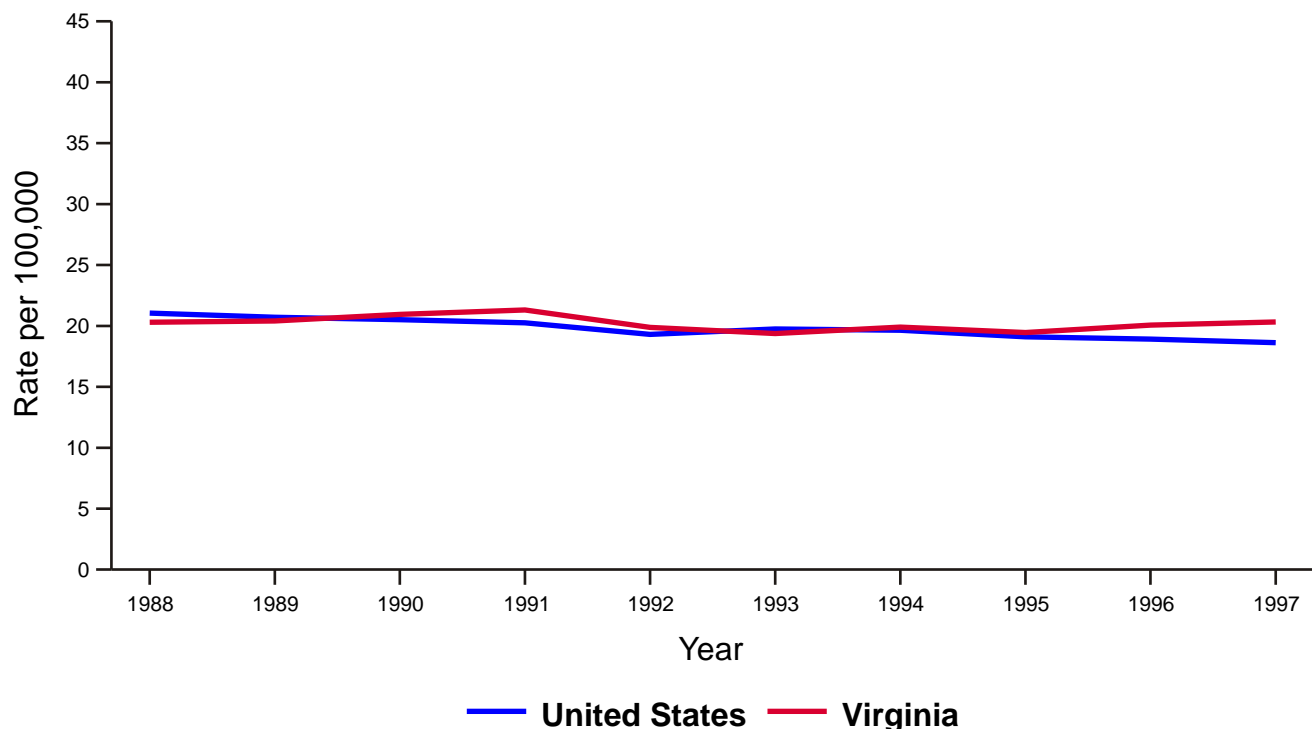
United States and Virginia 1988-1997



Traumatic Brain Injury-Related Death Rates* United States, 1995-1997

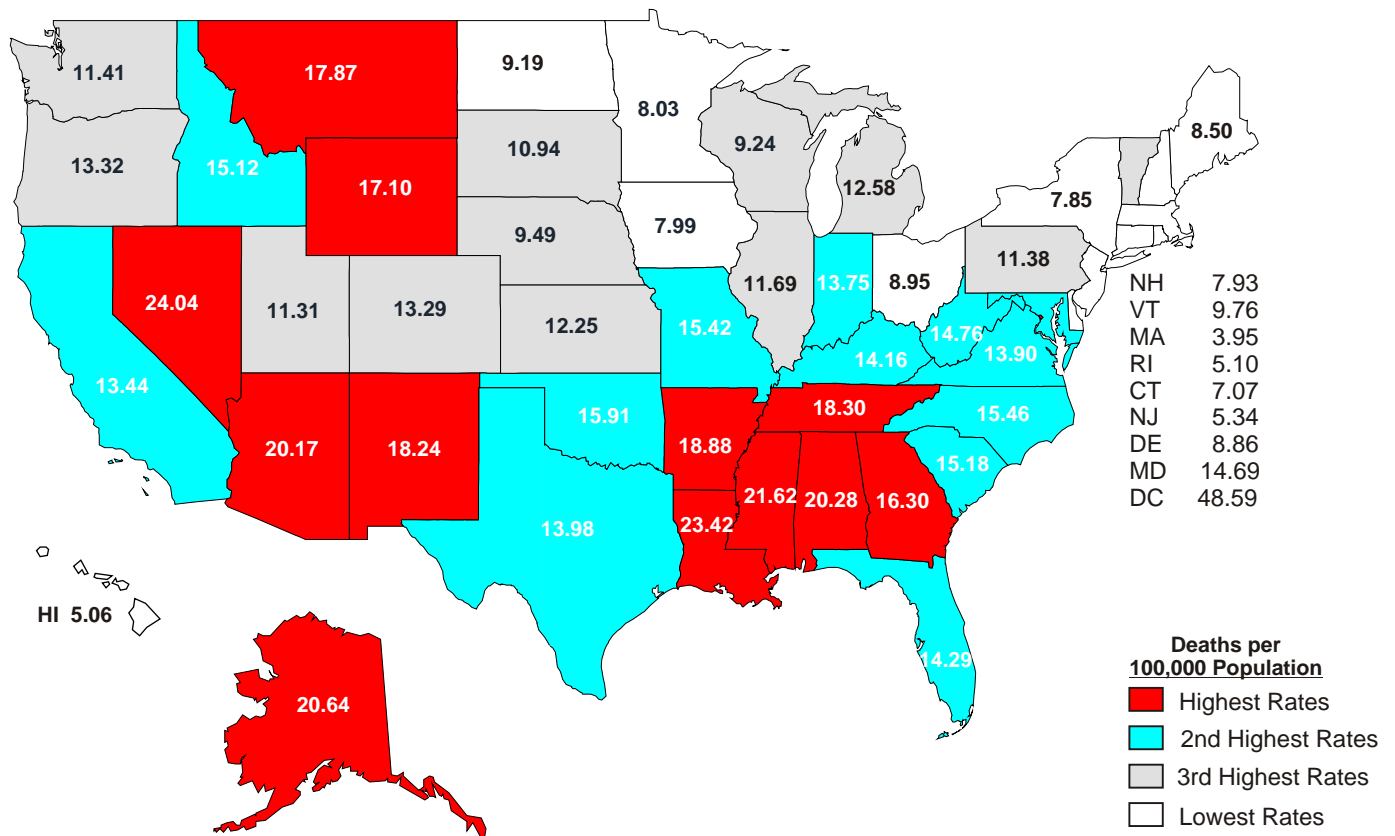


United States and Virginia 1988-1997

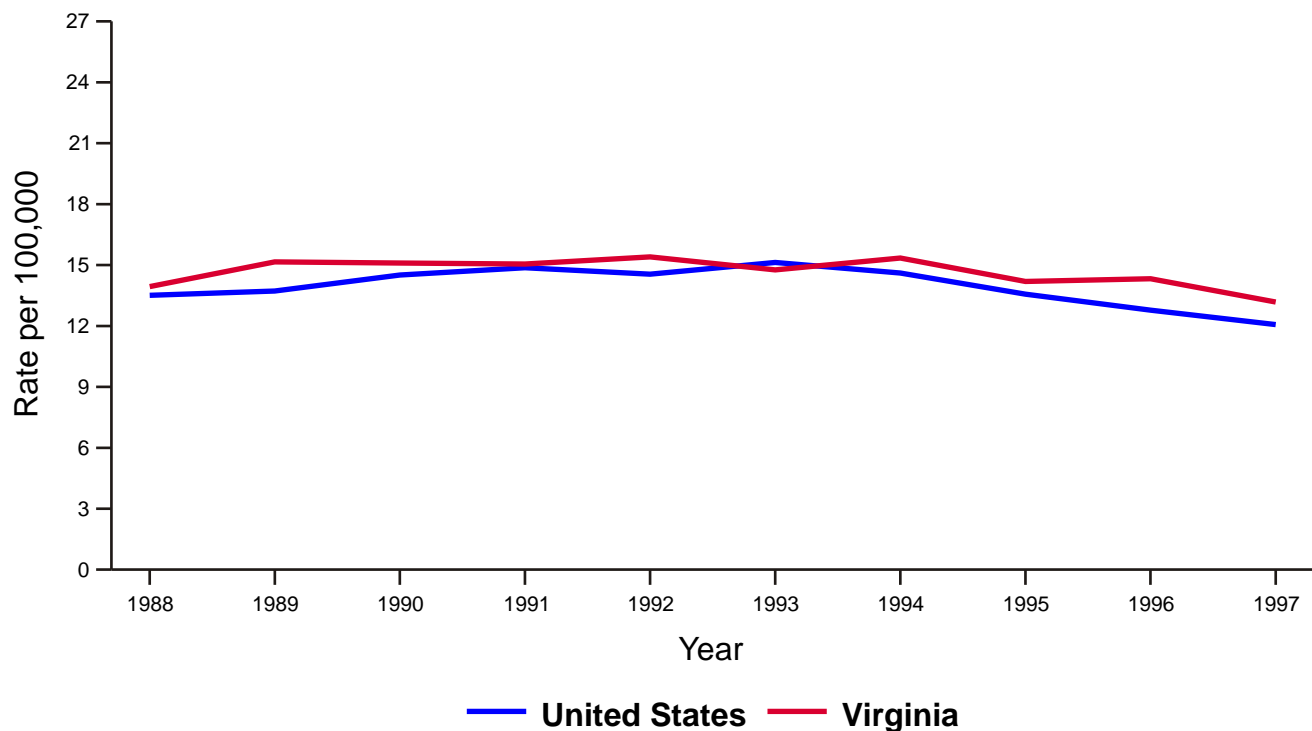


* Includes unintentional and intentional deaths from motor vehicles, firearms, falls, and other causes (of determined and undetermined intent).

Firearm-Related Death Rates* United States, 1995-1997



United States and Virginia 1988-1997



* Includes deaths from firearm suicide, firearm homicide, unintentional firearm-related deaths, and firearm-related deaths of undetermined intent.

VIRGINIA INJURY CONTROL PROJECTS

Cooperative Agreements

The National Center for Injury Prevention and Control (NCIPC) currently funds the following work through two cooperative agreements in Virginia:

- Evaluation Research Study in the Area of Aggression and Interpersonal Youth Violence: a multisite (4 sites) evaluation study that assesses the outcome and cost-effectiveness of a social-cognitive, school-based violence prevention intervention. This project will help answer the question, should middle-school interventions emphasize promotion of antiviolenence norms and behavioral practices that affect all children, target high-risk youth and families for intensive coordinated services or are both components necessary. (*Virginia Commonwealth University, Richmond*)
- Prevention of Fire-Related Injuries: a project to prevent fire-related deaths and injuries in targeted communities. (*Virginia Commonwealth University*)

Research Grants

At present, there are no extramural research projects in Virginia funded by the NCIPC.